



## **Interconnecting Cisco Networking Devices Part 1 (ICND1)**

**Associated Certifications: CCENT, CCNA**

**Exam:** 640-822 ICND1

**Duration:** 5 days, Classroom

**Dates:** 8<sup>th</sup> Oct 2007, 5<sup>th</sup> Nov 2007, 11<sup>th</sup> Dec 2007

**Cost:** £1,395

### **Who should Attend**

Network technicians who configure and support internetworks  
Individuals seeking CCNA certification  
Management and salespeople who need a working knowledge of modern networking.

### **PREREQUISITES**

Those with an understanding of networking concepts will benefit most from this course.

### **COURSE CONTENT**

In this comprehensive 5-day Authorised Cisco course, develop a practical understanding of the operation of modern TCP/IP networks built with Cisco hardware. Learn the commands and techniques used to troubleshoot host connections, interact with Cisco switches and routers, back up and restore configuration files, and manage network equipment.

If you are new to networking, need a good understanding for management or sales responsibilities, or are starting along the path to achieve CCNA certification, this is the right course for you.

### **COURSE OBJECTIVES**

After completing this course, students should have learnt:

- How networks function
- Network components and their functions
- Open Systems Interconnection (OSI) reference model
- Binary, decimal, and hexadecimal numbering
- Switching operations and theory
- Host-to-Host packet delivery process
- TCP/IP network addressing and routing
- IP subnetting
- Providing Local Area Network (LAN), Wide Area Network (WAN), and remote access services
- Advanced network theory, including Virtual Private Networks (VPN), Content Delivery Networks (CDN), Intranets and extranets, and wireless networking
- Introduction to Cisco Internet Operating System (IOS)
- Initial configuration of Cisco Catalyst Switches and Routers
- Network discovery and management using Cisco Discovery Protocol (CDP), telnet, and Trivial FTP (TFTP).

**Cisco have also introduced a new entry level certification, Cisco Certified Entry Technician (CCENT) which can be obtained by passing the ICND1 exam.**

